

## **Abstract**

A method for uniformizing the output image colors of a printing device and the original colors is proposed. A computer system outputs a set of color patch print signals to a printing device for printing out a color patch diagram. Next, a 5 digital still camera is used to photograph the color patch diagram and then output a color image signal. The computer system converts the color image signal into a CIE XYZ chrominance signal according to an ICC profile of the digital still camera and then processes the CIE XYZ chrominance signal with the set of color patch print signals to obtain an ICC profile of the printing 10 device, or the color image signal and the set of color patch print signals are processed to obtain a relative ICC profile of the digital still camera and the printing device, thereby facilitating color management and calibration and accomplish the advantages of low cost, simple operation and high practicability.

15